

What is claimed is:

1. A component transport cart, comprising:

(a) a lower portion, said lower portion comprising:

(i) wheels providing capabilities of motion to said transport cart;

(ii) a platform having a first and a second surface, said wheels being attached to said first surface of said platform;

(iii) shock absorbers, being mounted on the second surface of said platform;

(b) an upper portion, said upper portion interfacing with said shock absorbers, said upper portion comprising:

(i) Cartesian X, Y and Z coordinates, having X, Y and Z axis, said Cartesian X, Y and Z coordinates intersecting under an angle of 90 degrees forming a point of intersect, originating from said point of intersect a positive X direction proceeding along an axis of said X coordinate comprising positive X coordinates and a positive Y direction proceeding along an axis of said Y coordinate comprising positive Y coordinates and a positive Z direction proceeding along an axis of said Z coordinate comprising positive Z coordinates;

(ii) a front surface being located in a plane of said X and Z axis

(iii) a back surface being parallel with said front surface, having a first intersect with said Y-axis, said first intersect having a positive Y coordinate;

(iv) a bottom surface being located on a plane of said X and Y-axis;

(v) a top surface being parallel with said bottom surface, having a second intersect with said Z-axis, said second intersect having a positive Z coordinate;

(vi) a left surface being located on a plane of said Y and Z-axis;

(vii) a right surface being parallel with said left surface, having a third intersect with said X axis, said third intersect having a positive X coordinate;

(viii) at least one row of component box support units being mounted in a plane, said at least one row of component support units comprising at least one component support unit, adjacent rows of component support units being separated by a measurable distance, said at least one component support unit comprising:

(1) being extended from said front surface of said component cart to said back surface of said component cart;

(2) two component supports arranged along sidewalls of said component support units;

(3) cushioning units arranged over the surface of said two component support units;

(4) a cross section between a plane comprising said Y and Z axis and said plane of said component box support units forming a line, said line being parallel with a line created by rotating said positive Y direction in a clockwise direction when facing said plane comprising said Y and Z axis, said rotation being over a measurable displacement of degrees of rotation;

(ix) a set of two sliding doors mounted in a plane of said front surface of said component cart; and

(x) a handle attached to said upper portion, enabling motion of said component cart.

2. The component cart of claim 1, said component comprising a reticle box, a reticle having been placed inside said reticle box prior to insertion of said reticle into said component cart.

3. The component cart of claim 1, said component cart being created using anti-ESD materials.

4. A method of transporting components, comprising the steps of:

loading said component into a component box;

providing a component cart, said component cart comprising a lower portion comprising wheels providing capabilities of motion to said transport cart, said lower portion further comprising a platform having a first and a second surface, said wheels being

attached to said first surface of said platform, said lower portion further comprising shock absorbers mounted on the second surface of said platform, said component cart further comprising an upper portion having Cartesian X, Y and Z coordinates, said upper portion being surrounded by surfaces forming a cubic structure, said upper portion interfacing with said shock absorbers of said lower portion, said upper portion further comprising at least one row of component box support units being mounted in a plane, said at least one row of component support units comprising at least one component support unit, adjacent rows of said component support units being separated in said positive Z direction by a measurable distance, said upper portion of said component cart having a front surface, said front surface comprising sliding doors allowing access to said component cart;

sliding at least one of said front doors, providing access to said component cart;

positioning at least one component box inside the reticle cart;

sliding at least one of said front doors, inhibiting access to said component cart; and

moving said component cart to a location.

5. The method of claim 4, said upper portion comprising:

Cartesian X, Y and Z coordinates, having X, Y and Z axis, said Cartesian X, Y and Z coordinates intersecting under an angle of 90 degrees forming a point of intersect, originating from said point of intersect a positive X direction proceeding along an axis of said X coordinate comprising positive X coordinates and a positive Y direction proceeding along an axis of said Y coordinate comprising positive Y coordinates and a positive Z direction proceeding along an axis of said Z coordinate comprising positive Z coordinates;

a front surface being located in a plane of said X and Z axis;

a back surface being parallel with said front surface, having a first intersect with said Y-axis, said first intersect having a positive Y coordinate;

a bottom surface being located on a plane of said X and Y-axis;

a top surface being parallel with said bottom surface, having a second intersect with said Z-axis, said second intersect having a positive Z coordinate;

a left surface being located on a plane of said Y and Z-axis;

a right surface being parallel with said left surface, having a third intersected with said X axis, said second intersect having a positive X coordinate; and

a handle attached to said upper portion, enabling motion of said component cart.

6. The method of claim 4, said at least one component support unit comprising:

(1) being extended from said front surface of said component cart to said back surface of said component cart;

(2) two component supports spatially arranged along sidewalls of said component support units;

(3) cushioning units arranged over the surface of said two component support units;

(4) a cross section between a plane comprising said Y and Z axis and said plane of said at least one row of component box support units forming a line, said line being parallel with a line created by rotating said positive Y direction in a clockwise direction when facing said plane comprising said Y and Z axis, said rotation being over a measurable displacement of degrees of rotation.

7. The method cart of claim 4, said component comprising a reticle box, a reticle having been inserted in said reticle box prior to insertion of said reticle box into said component cart.

8. The method of claim 1, said component cart being created using anti-ESD materials.